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Internation pplication No

	\$2°		PCT/EP 03/06116	
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER H04L25/02			
	International Patent Classification (IPC) or to both national classifical SEARCHED	ilon and IPC		
	cumentation searched (classification system followed by classification H04L	n symbols)		
	ion searched other than minimum documentation to the extent that su			
1	ata base consulted during the international search (name of data bas	e and, where practical	l, search terms used)	
EPO-In1	ternal, WPI Data, PAJ, INSPEC			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with Indication, where appropriate, of the rele	vant passages	Relevant to claim No.	
A	US 5 194 761 A (SMITH MICHAEL D) 16 March 1993 (1993-03-16)		1	
	column 2. line 9 - line 19			
	column 2, line 32 - line 44 column 5, line 7 - line 16			
	column 6, line 14 -column 7, line column 13, line 65 -column 14, li figures 1,8,9	10 ne 4		
A	EP 0 763 917 A (LUCENT TECHNOLOGI 19 March 1997 (1997-03-19)	ES INC)	1	
	page 3, line 27 - line 39; figure	4		
A	US 2001/024477 A1 (HAYCOCK ROBERT 27 September 2001 (2001-09-27)		1	
	paragraphs '0036!,'0045!,'0046!; 7,9	ı ıyul es		
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X Furt	her documents are listed in the continuation of box C.	X Patent family	r members are listed in annex.	
• Special categories of cited documents:  The later document published after the international filing date or priority date and not in conflict with the application but			blished after the international filing date nd not in conflict with the application but	
consid	"A" document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
filing o	artier document but published on or after the International  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.		lered novel or cannot be considered to	
which		"Y" document of partic	cular relevance; the claimed Invention	
	document referring to an oral disclosure, use, exhibition or document is combined with one or more other such documents and combination being obvious to a person skilled		bined with one or more other such docu-	
'P' document published prior to the International filing date but tater than the priority date claimed		In the art.  24 document member of the same patent family		
Date of the	actual completion of the international search	Date of mailing of	f the international search report	
1	9 August 2003	01/09/2	2003	
Name and	Name and mailing address of the ISA		Authorized officer	
European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Augarde, E		



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Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
MICHOLA .	Cutation of comment, their interestion, where appropriate, or the reason possesses	
1	US 2002/070801 A1 (FERIANZ THOMAS) 13 June 2002 (2002-06-13) paragraph '0069!; figure 3	1